

CONSERVATION PRACTICE PHYSICAL EFFECT WORKSHEET

NOTE: recorded in Microsoft word 6.0 - use tabs to change cells/fields

STATE	Caribbean Area	FIELD OFFICE		DATE	
PRACTICE: 314b Brush Management (Biological)			NOTES:		
RESOURCE: SOIL RESOURCE CONCERN: EROSION			Help Message: Click on form field for choice lists. Tab key to move around. "N/A" is the default.		
RESOURCE INDICATORS			PHYSICAL EFFECTS		
SHEET AND RILL			Slight to moderate decrease because of increase in vegetative cover and better use of soil moisture		
WIND			Slight to moderate decrease because of increase in vegetative cover and better use of soil moisture		
EPHEMERAL GULLY			Slight to moderate long-term decrease depending on soil and type of vegetation.		
CLASSIC GULLY			Slight to moderate long-term decrease depending on soil and type of vegetation.		
STREAMBANK			Negligible		
IRRIGATION INDUCED			Not applicable		
SOIL MASS MOVEMENT			Slight to significant increase because of increased soil moisture and decreased root binding of brush removed on soils prone to slippage		
ROADBANK/CONSTRUCTION			Negligible		
OTHER					
RESOURCE CONCERN: SOIL CONDITION					
SOIL TILTH			Moderate decrease because of increased infiltration and organic matter with more grass. Moderate to significant Improvement with proper change in vegetation		
SOIL COMPACTION			Negligible		
SOIL CONTAMINATION					
• SALTS			Slight to moderate decrease because of improvement with desired vegetative changes.		
• ORGANICS			Not applicable		
• FERTILIZERS			Not applicable		
• PESTICIDES			Not applicable		
• OTHER					
DEPOSITION/DAMAGE					
• ONSITE			Slight to moderate decrease of because of improved vegetative cover.		
• OFFSITE			Slight to moderate decrease of because of improved vegetative cover.		
DEPOSITION/SAFETY					
• ONSITE			Slight to moderate decrease of because of improved vegetative cover.		
• OFFSITE			Slight to moderate decrease of because of improved vegetative cover.		
OTHER					

RESOURCE: WATER	
RESOURCE CONCERN: WATER QUANTITY	
SEEPS	Slight to moderate increase because of increased infiltration and decreased evapotranspiration.
RUNOFF/FLOODING	Slight to moderate increase because of increased infiltration and decreased evapotranspiration
EXCESS SUBSURFACE WATER	Slight to moderate increase because of increased infiltration and decreased evapotranspiration
INADEQUATE OUTLETS	Negligible
WATER MGT. IRRIGATION	Negligible to slight decrease because of increased recharge sediment of ground water, increased infiltration and decreased evapotranspiration
• SURFACE	N/A
• SPRINKLER	N/A
WATER MGT. NON-IRRIGATED	Slight to moderate decrease because of increases in moisture availability and plant use efficiency caused by decrease in undesirable species.
RESTRICTED FLOW CAPACITY (H2O convey.)	
• ONSITE	Slight to significant decrease because of decreased sediment load
• OFFSITE	Slight to significant decrease because of decreased sediment load
RESTRICTED STORAGE	Slight to significant decrease because of decreased sediment load
OTHER	

RESOURCE: **WATER**

RESOURCE CONCERN: **WATER QUALITY**

RESOURCE INDICATORS	PHYSICAL EFFECTS
GROUNDWATER CONTAMINANTS	
• PESTICIDES	Negligible.
• NUTRIENTS AND ORGANICS	Negligible.
• SALINITY	Negligible.
• HEAVY METALS	Negligible.
• PATHOGENS	Negligible.
• OTHER	
SURFACE WATER CONTAMINANTS	
• PESTICIDES	Not applicable.
• NUTRIENTS AND ORGANICS	Not applicable.
• SUSPENDED SEDIMENTS	Negligible.
• LOW DISSOLVED OXYGEN	Negligible.
• SALINITY	Negligible.
• HEAVY METALS	Negligible.
• WATER TEMPERATURE	Slight increase because of loss of riparian brush.
• PATHOGENS	Not applicable.
AQUATIC HABITAT SUITABILITY	Negligible.
OTHER	

RESOURCE: **AIR**

RESOURCE CONCERN: **AIR QUALITY**

AIRBORNE SEDIMENT AND SMOKE PARTICLES	
• ONSITE SAFETY	Slight decrease because of improved ground cover.
• OFFSITE SAFETY	Slight decrease because of improved ground cover.
• ONSITE STRUCT. PROBLEMS	Negligible.
• OFFSITE STRUCT. PROBLEMS	Negligible.
• ONSITE HEALTH	Negligible.
• OFFSITE HEALTH	Negligible.
AIRBORNE SEDIMENT CAUSING CONVEYANCE PROBLEMS	Negligible.
AIRBORNE CHEMICAL DRIFT	Negligible.
AIRBORNE ODORS	Negligible.
FUNGI, MOLDS, AND POLLEN	Negligible.
OTHER	

RESOURCE CONCERN: **AIR CONDITION**

AIR TEMPERATURE	Negligible.
AIR MOVEMENT (windbreak effect)	Sight to moderate increase because of reduced wind retardance.
HUMIDITY	Negligible.
OTHER	

RESOURCE: PLANT	
RESOURCE CONCERN: SUITABILITY	
RESOURCE INDICATORS	PHYSICAL EFFECTS
SITE ADAPTATION	Not applicable.
PLANT USE	Moderate to significant decrease because of decrease of unsuited plants depending on species and method of control, follow-up treatment. and grazing management.
OTHER	
RESOURCE CONCERN: CONDITION	
PRODUCTIVITY	Significant decrease because of decrease of target species and increase in desirable plant species.
HEALTH, VIGOR, SURVIVAL	Significant decrease because of nondesirable plant species.
OTHER	
RESOURCE CONCERN: MANAGEMENT	
ESTAB., GROWTH, HARVEST	Significant decrease because of reduction of competition.
NUTRIENT MANAGEMENT	Slight to significant decrease because of managing fertility for desirable species.
PESTS	Significant decrease because of removal nondesirable
THREAT/ENDANGERED PLANTS	N/A
OTHER	
RESOURCE: ANIMAL	
RESOURCE CONCERN: HABITAT	
FOOD	Slight to significant increase or decrease depending on target animals because of reduction in desired forbs / browse.
COVER/SHELTER	Slight to significant increase because of cover removal depending on amount of brush removed and the requirements of the animals.
WATER (QUANTITY & QUALITY)	Slight to significant increase because of reduced runoff caused increased infiltration. Slight to decrease because of increased interflow water.
OTHER	
RESOURCE CONCERN: MANAGEMENT	
POPULATION BALANCE	Moderate to significant decrease because of feed/forage balance in the long term. Temporary shift in balance short term. Faciliate the selective harvest of wildlife because of open areas. May have an adverse impact on some balance and positive impact on others.
THREAT/ENDANGERED ANIMALS	N/A
HEALTH	Significant improvement in visual inspection of animals. Slight to significant reduction in harmful insect population, such as flies and ticks.
OTHER	

RESOURCE: HUMAN	
RESOURCE CONCERNS: ECONOMIC CONSIDERATIONS	
PLAN / COST EFFECTIVENESS	N/A
CLIENT FINANCIAL CONDITION	N/A
MARKETS FOR PRODUCTS	N/A
AVAILABLE LABOR	N/A
AVAILABLE EQUIPMENT	N/A
RESOURCE: HUMAN	
RESOURCE CONCERN: SOCIAL CONSIDERATIONS	
RESOURCE INDICATORS	PHYSICAL EFFECTS
PUBLIC HEALTH AND SAFETY	N/A
PRIVATE/PUBLIC VALUES	N/A
CLIENT CHARACTERISTICS	N/A
RISK TOLERANCE	N/A
TENURE	N/A
OTHER	
RESOURCE CONCERN: CULTURAL CONSIDERATIONS	
ABSENCE/PRESENCE OF CULTURAL RESOURCES	N/A
SIGNIFICANCE OF CULTURAL RESOURCES	N/A
MITIGATION OF NEGATIVE CULTURAL RES. IMPACTS	N/A
OTHER	